



Architects' Hand Book

The Compound and Pyrono Door Co.
St. Joseph, Michigan

ARCHITECTS' HAND BOOK

Containing

Essential Information *and* Details of



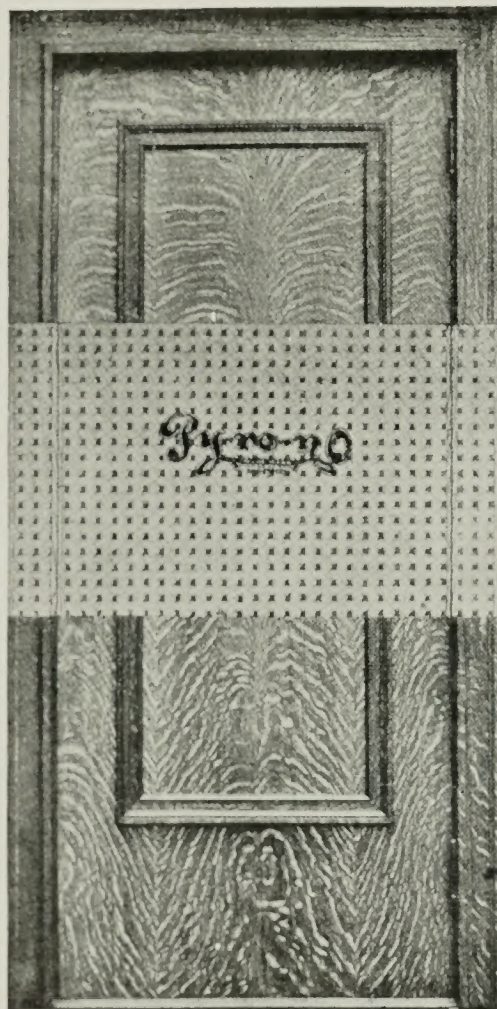
Fire Proof Doors *and* Trim

For interior installations where ornamental Fireproof doors are required; such as openings to stairways, passenger and service elevators, vertical pipe and vent shafts, corridor and room partitions; in office buildings, hotels, apartment hotels, apartments, hospitals, sanitariums, schools, dormitories, and public buildings.

THE COMPOUND *and* PYRONO DOOR COMPANY

St. Joseph, Michigan

Representatives in Principal Cities



PYRONO Door and Trim, showing portion with veneer cut away and magnified, disclosing Asbestos Sheathing indented into wood core.

THE PYRONO Process is a well-known mechanical method of fire-proofing wood cores in the manufacture of interior finish. Cores are first covered with a fireproof sheathing made of pure asbestos, which by heavy pressure at numerous points, is indented into the core wood. The fireproof sheathing in permanent contact with the core, excludes oxygen essential to combustion, preventing ignition, and at the same time permitting, through small openings at the base of the indents, the escape of gases developed from the core wood under high temperatures.

Over the indented asbestos sheathing are laid wood veneers which in glueing, are brought into direct contact

with the core through the indents, which may be seen in the illustration wherein a portion of the veneer is omitted, exposing to view the indented sheathing, magnified. These face veneers are furnished in any cabinet woods desired.

PYRONO Products are made in accordance with architects' designs and details as well as following the standard designs shown on the following pages.

PYRONO doors and trim are installed by carpenters, and hardware is applied just as for wood doors. The same treatment in finish is also obtained, P Y R O N O should therefore be included in the specifications for carpenter work.



THE PURPOSE of this Hand-Book is to show for the benefit of Architects and others interested in Fireproof Doors and Trim, standard designs and details of PYRONO Doors, and details of PYRONO jambs and trim, bringing out clearly the practical features of construction and the fact that PYRONO can be made to harmonize with other features of interior finish.

With the door illustrations are given standard dimensions and proportions which conform in the main to standard millwork designs, and these standards are offered for the sake of permitting the factory to give the highest measure of service on all orders where such designs can be specified.

All work is manufactured entirely on special order, no

completed material being carried in stock. As a consequence designs and details can be varied according to the taste of the Architect, but it will be well to bear in mind the fact that the best in the way of price and service can be rendered if standards of design and detail are followed.

In the detail drawings the heavy black lines show the location of the asbestos sheathing. The inlay strip on the edge of all doors is the PYRONO identification strip for your protection and as an easy means of identification.

The details of jambs show the principle of PYRONO construction applied to this work, for use in connection with PYRONO Fireproof doors. It will be seen that they are made in all standard thicknesses as considered in regular millwork, and for various wall thicknesses as required.

A few details of PYRONO casing construction are also shown, divided into two main groups—plain and moulded. On pages 15 and 16 are shown sections of moulded casing in blank, to indicate the possibilities of design within the given space, and showing the minimum amount of material outside of the protected core.

SPECIAL FEATURES OF PYRONO

Natural wood facings

Little heavier than wood veneered doors—will average five to six pounds per square foot.

Adapted to special architectural details and designs.

Doors are finished, hardware is applied and doors are hung, just as regular millwork is handled.

Installed by Carpenters.

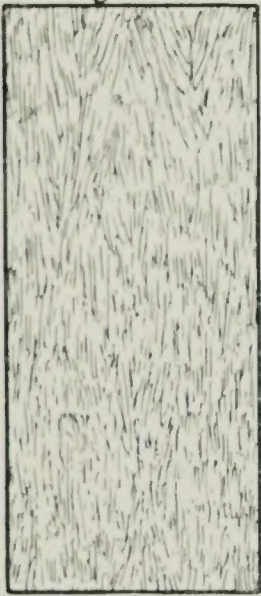
PYRONO jambs are used in connection with regular wood bucks. Doors do not warp and twist under extreme temperature and fire.

PYRONO should be specified under head of Carpenter work.

^^ PYRONO ^ FLUSH ^ DOORS ^
AND ^ INLAY ^ DESIGNS ^

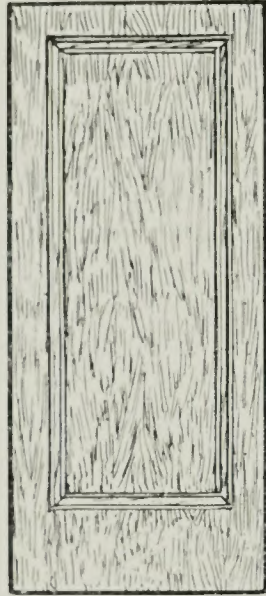
^^ PYRONO ^ SASH ^ DOORS ^^

FLUSH
OR
PLAIN-SANITARY



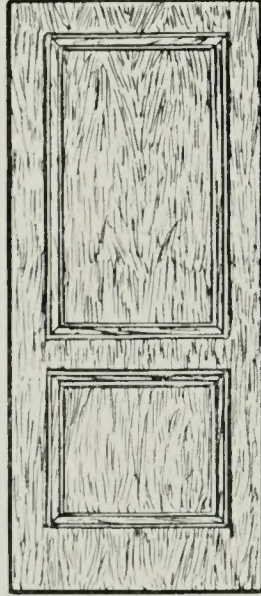
A

FLUSH-MOULDED
1 PANEL EFFECT



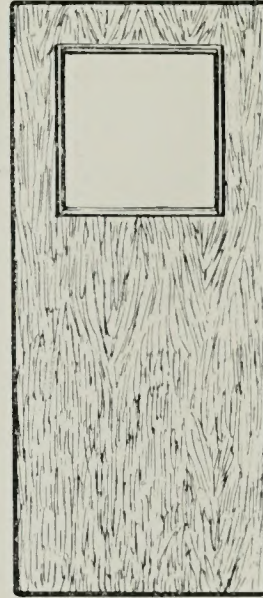
B

FLUSH-MOULDED
2 PANEL EFFECT



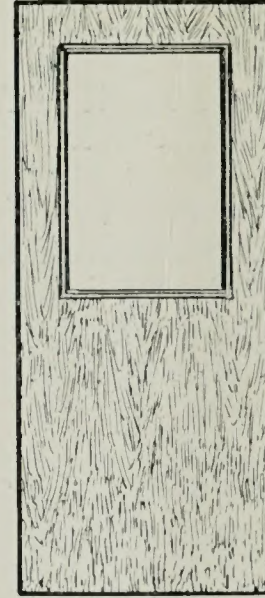
C

FLUSH
1/3
GLASS OPENING



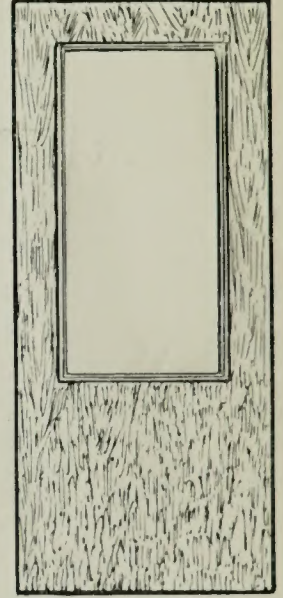
D

FLUSH
1/2
GLASS OPENING

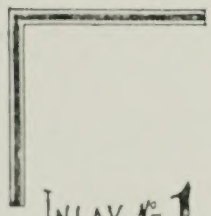


E

FLUSH
2/3
GLASS OPENING



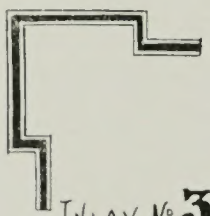
F



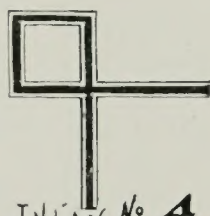
INLAY N° 1



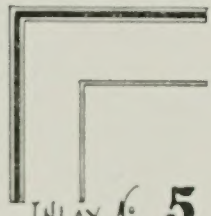
INLAY N° 2



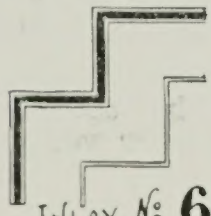
INLAY N° 3



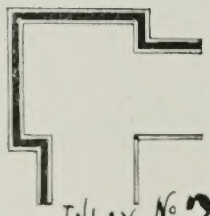
INLAY N° 4



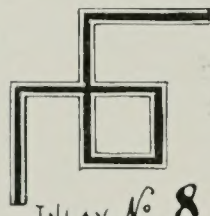
INLAY N° 5



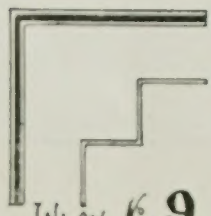
INLAY N° 6



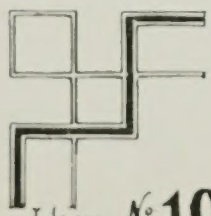
INLAY N° 7



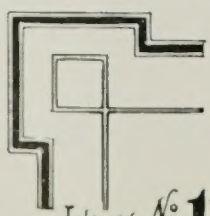
INLAY N° 8



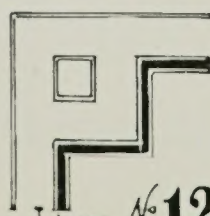
INLAY N° 9



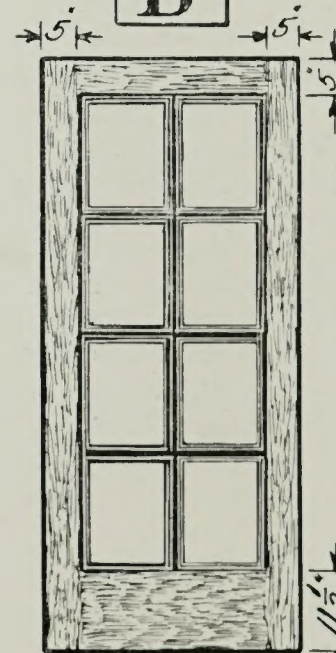
INLAY N° 10



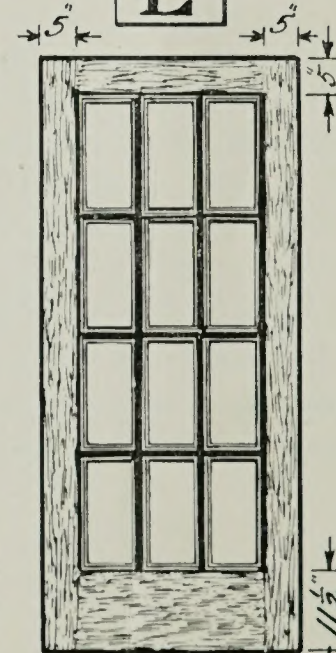
INLAY N° 11



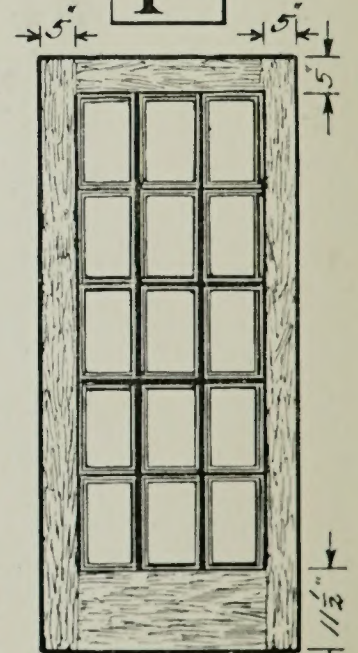
INLAY N° 12



G



H

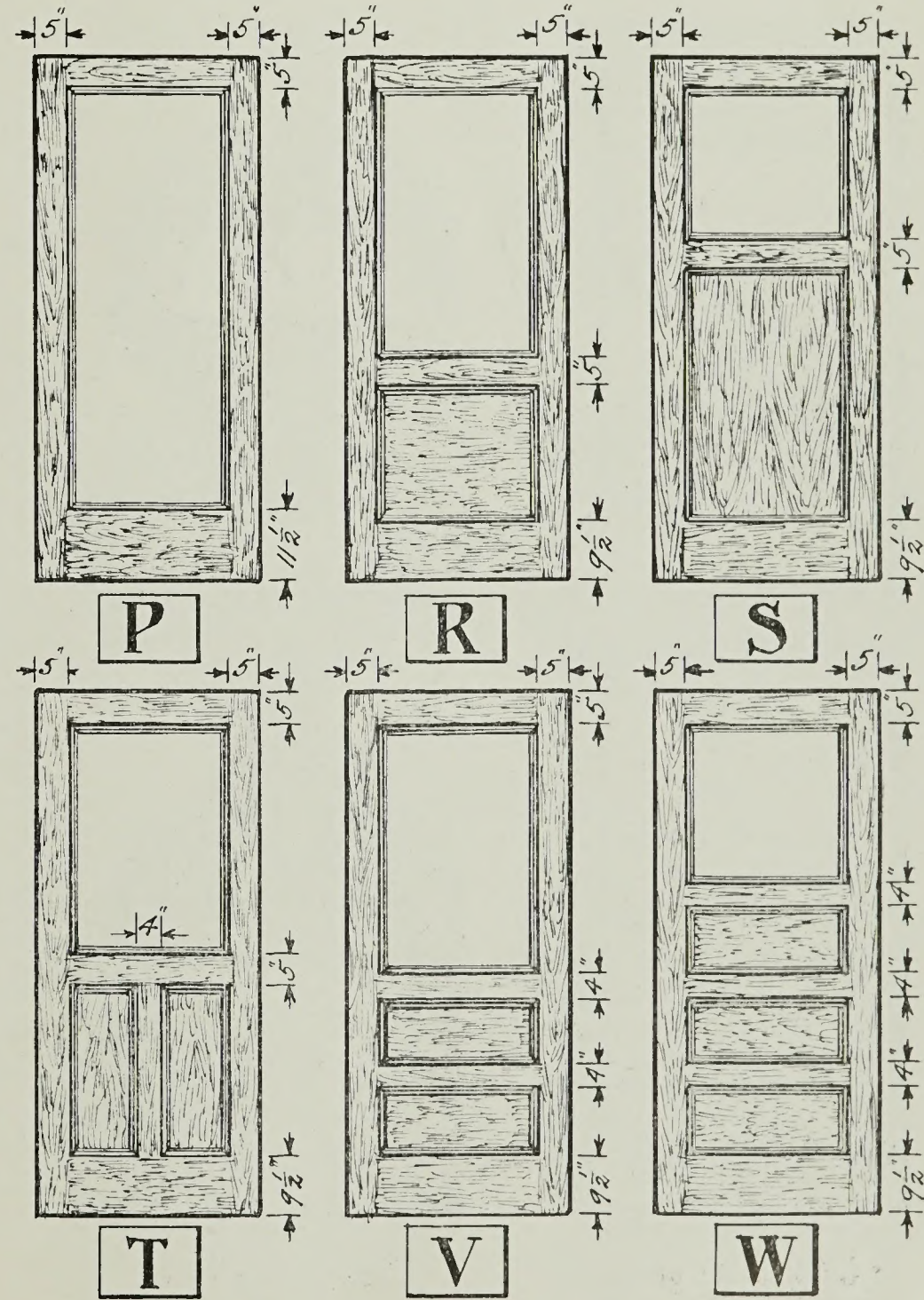
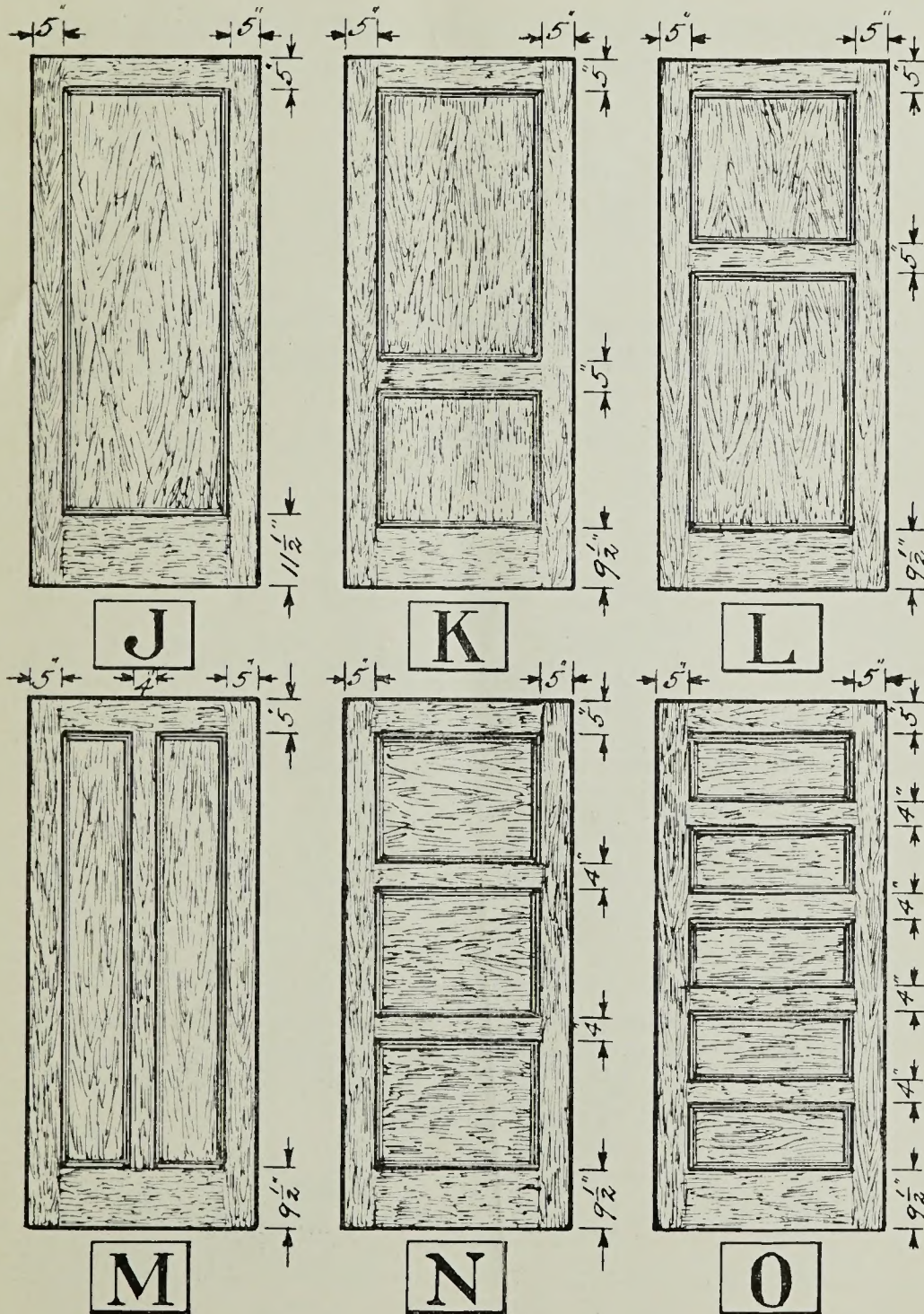


I

FIGURES SHOWN ABOVE ARE STANDARD WIDTHS OF
PYRONO STILES AND RAILS.

△△ PYRONO △ PANEL △ DOORS △△

△△ PYRONO △ SASH △ DOORS △△

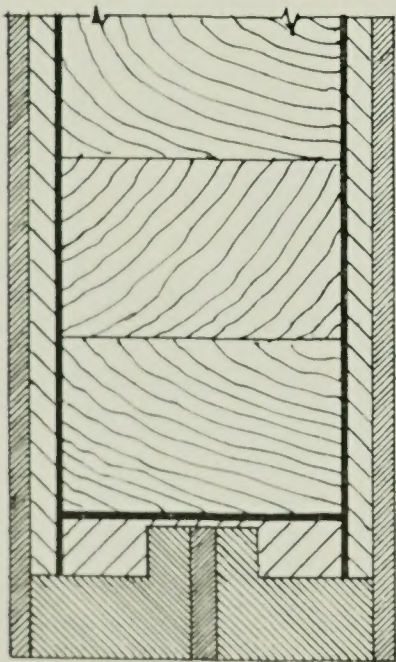
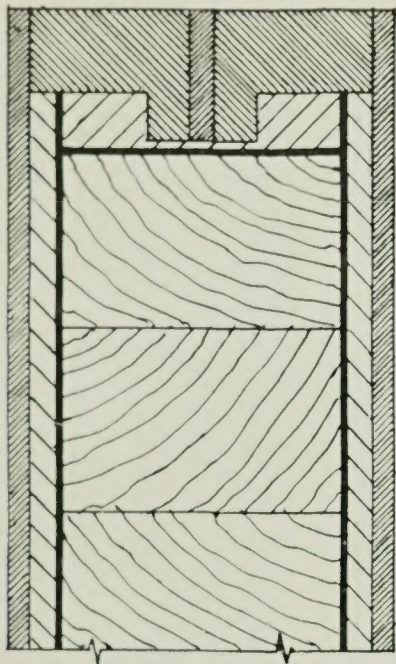


FIGURES SHOWN ABOVE ARE STANDARD WIDTHS OF PYRONO STILES AND RAILS.

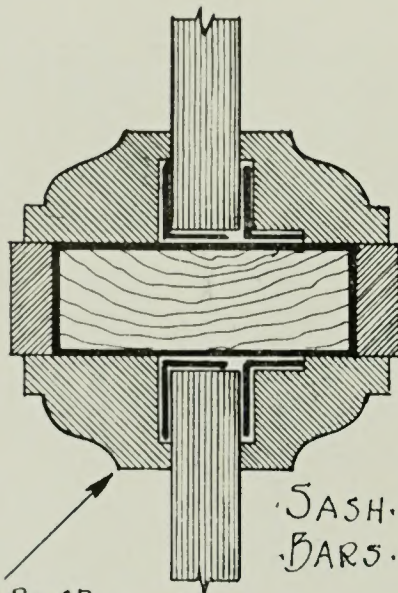
FIGURES SHOWN ABOVE ARE STANDARD WIDTHS OF PYRONO STILES AND RAILS.

PYRONO INTERIOR FLUSH DOORS

PYRONO FLUSH INLAY & PANEL EFFECT DOORS

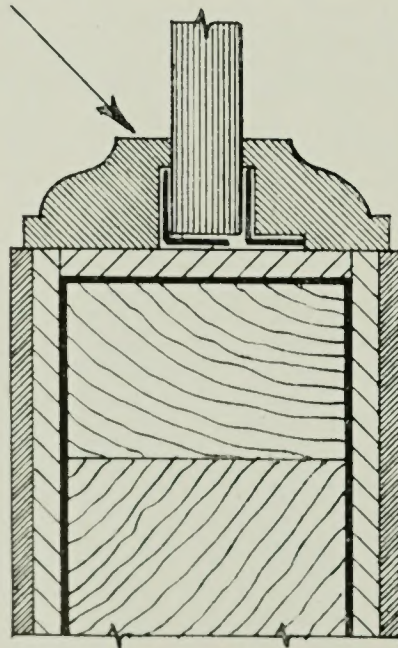


SECTION OF
FLUSH DOOR

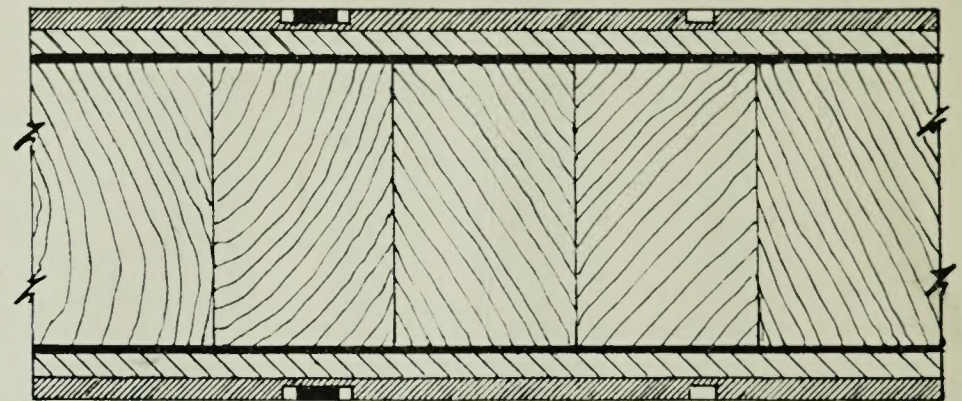


SASH
BARS

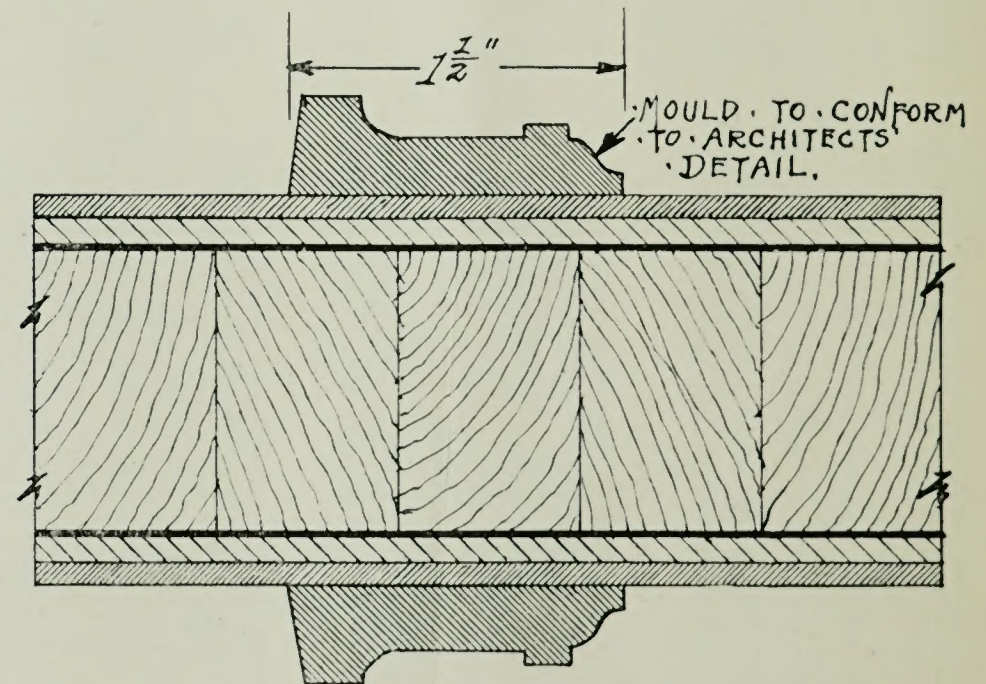
MOULD OR
STOPS TO CONFORM
TO ARCHITECTS'
DETAIL



SECTION AT
GLASS



SECTION OF FLUSH INLAY DOOR

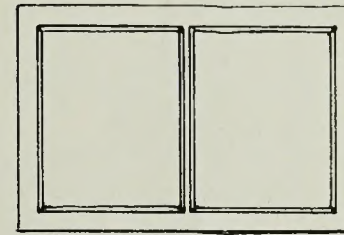


SECTION OF FLUSH PANEL EFFECT DOOR

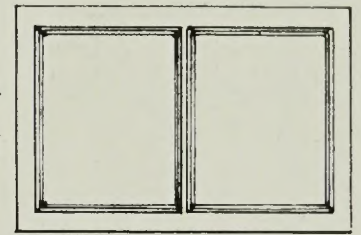
PYRONO • INTERIOR • PANEL • AND • SASH • DOORS •

•• PYRONO • SASH • OR • TRANSOMS ••

• SIZES AND DIVISIONS AS MAY BE REQUIRED •

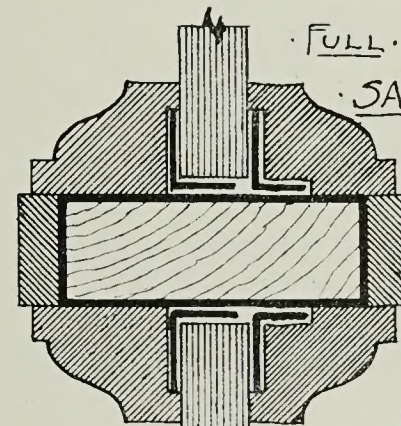


— INTERIOR —

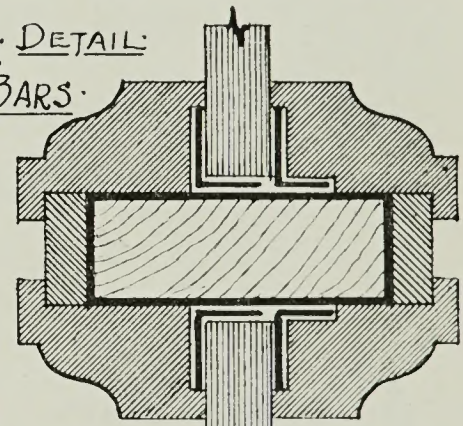


— EXTERIOR —

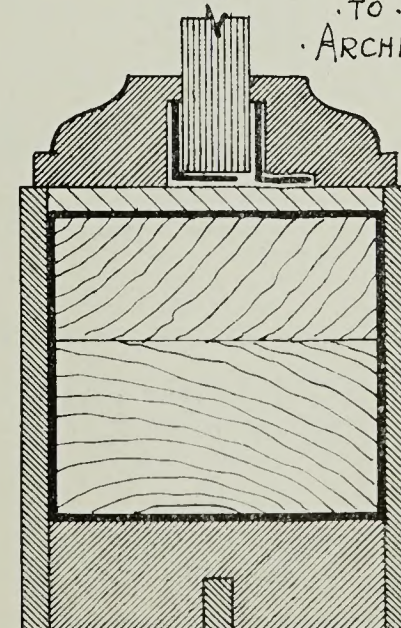
2
LIGHT
OPEN
DESIGN



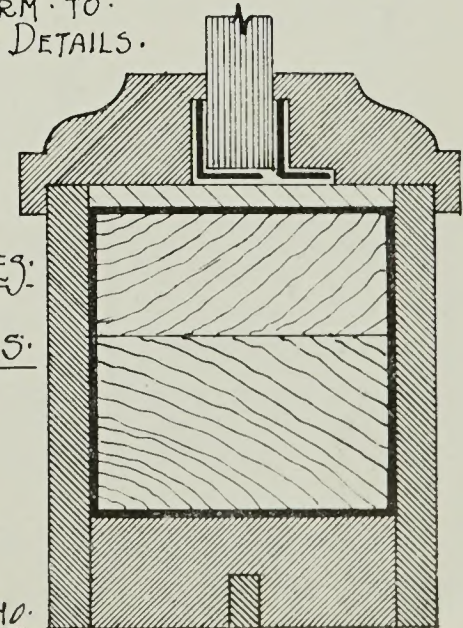
• FULL • SIZE • DETAIL •
• OF •
• SASH • BARS •



NOTE:-
• MOULDINGS • OR • STOPS •
• TO • CONFORM • TO •
• ARCHITECTS' • DETAILS •



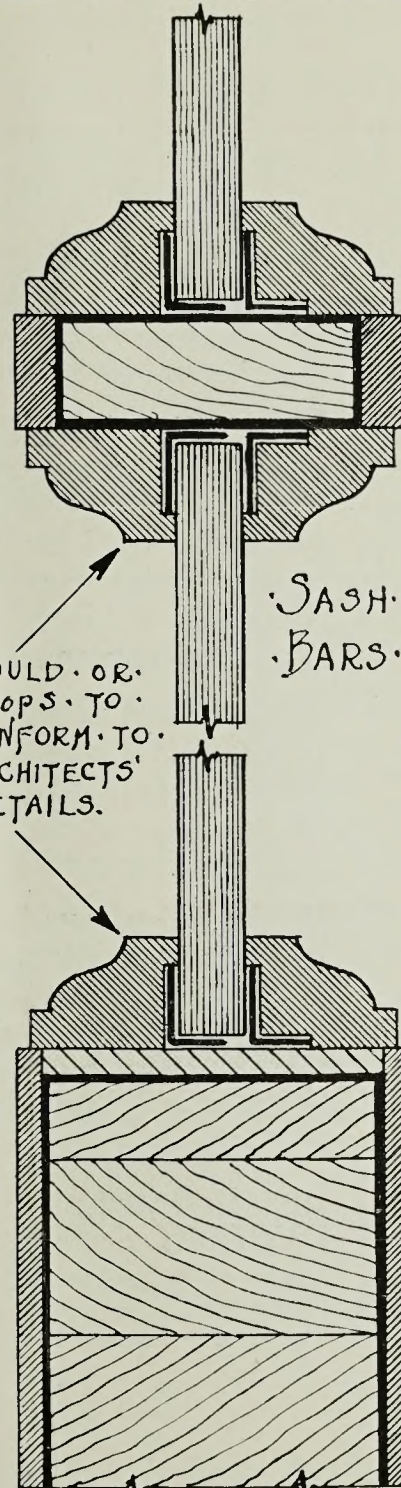
• INTERIOR •



• EXTERIOR •

STILES
• & •
RAILS

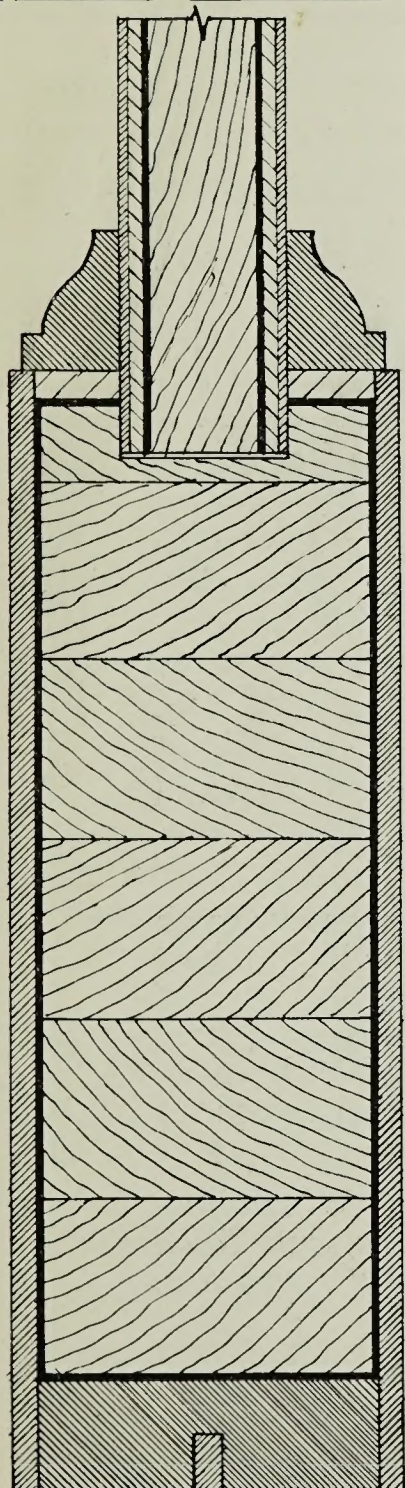
• PYRONO •
• TRADE-MARK •



• SASH •
• BARS •

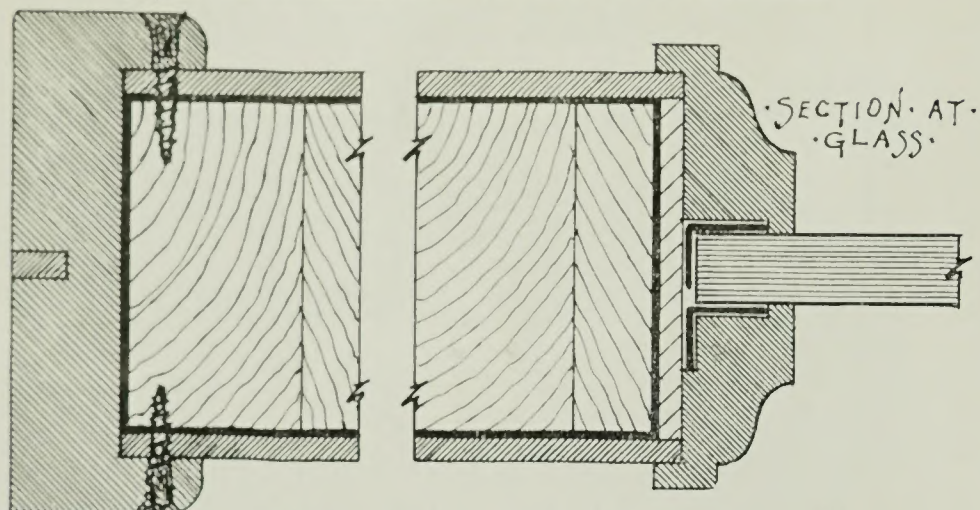
• MOULD • OR •
• STOPS • TO •
• CONFORM • TO •
• ARCHITECTS' •
• DETAILS •

• SECTION • AT •
• GLASS •

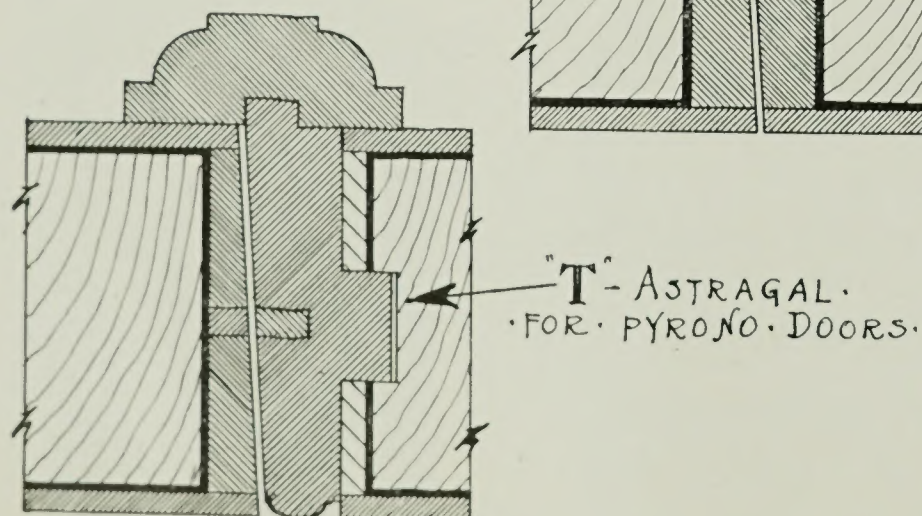
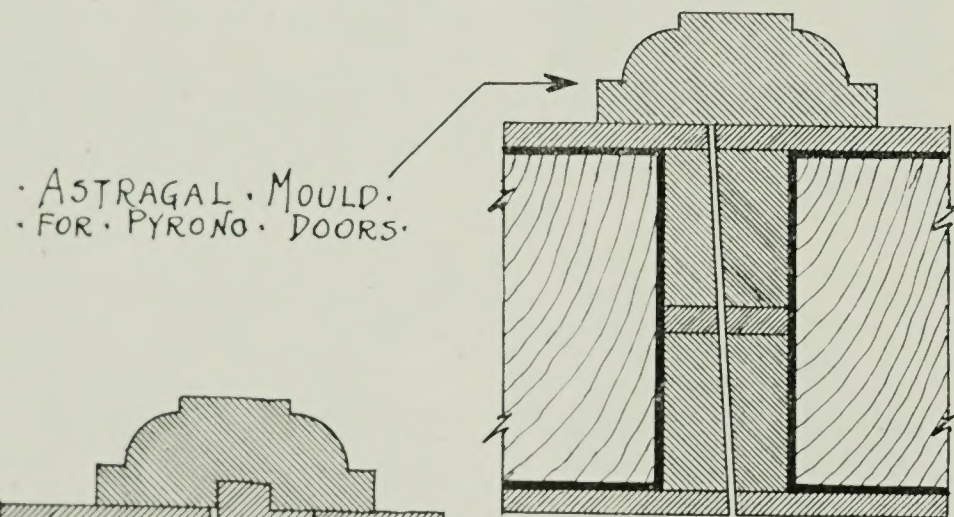


• SECTION • AT •
• PANEL •

MISCELLANEOUS PYRONO DETAILS



SECTION OF RABBETED CHANNEL OR BATTEN
EDGE AND RABBETED MOULDING AT GLASS
FOR PYRONO EXTERIOR DOORS.



Pyrono Smokescreens

PYRONO Fireproof, Smokeproof, Stair Hall Screens *especially adapted for installation in Schools, Dormitories, Hospitals and Hotels.*

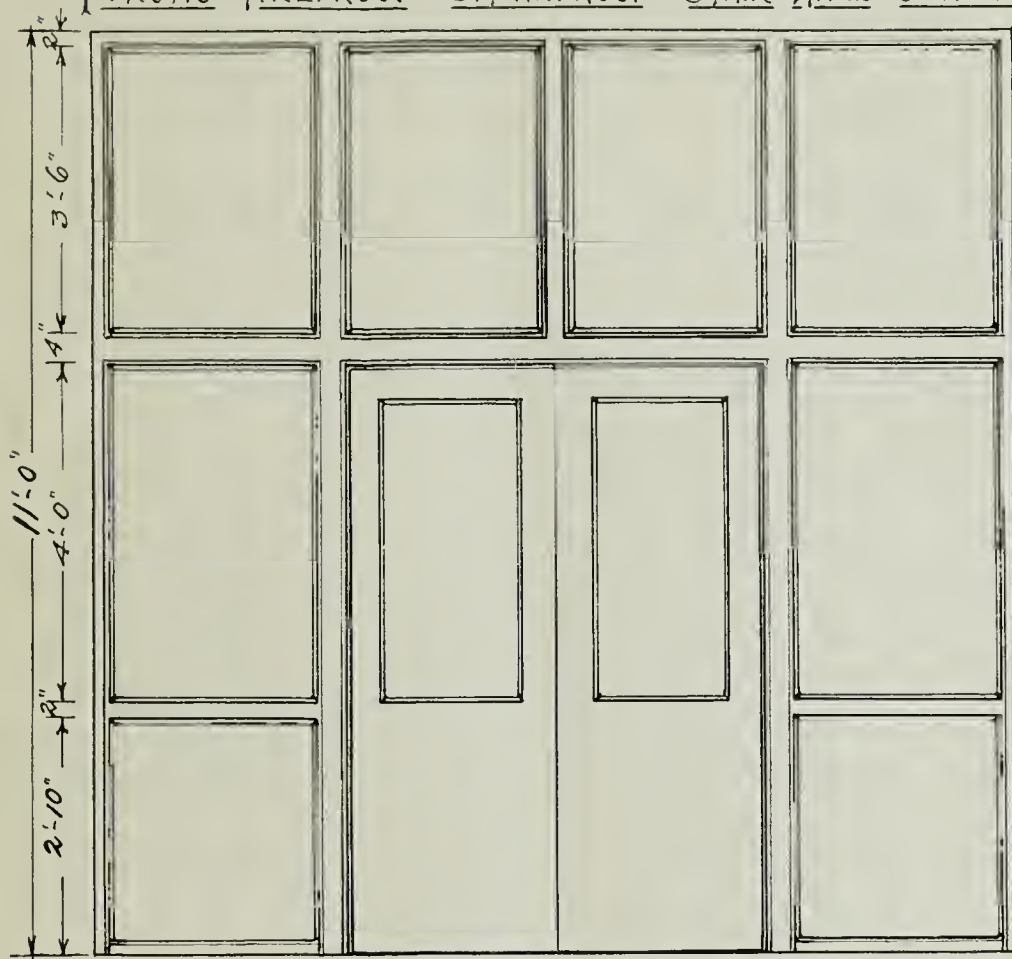
The following illustrations show a variety of designs suitable for such installations. Other designs are also possible, and as in other PYRONO work, these screens are manufactured in all kinds of wood to suit any given requirements.

Such installations are becoming increasingly necessary in the interest of public safety—to protect children and invalids especially, in schools and dormitories and hospitals.

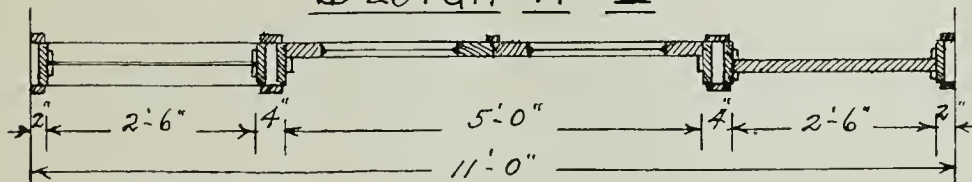
PYRONO offers for such purposes an installation comprising all the best features—protection, beauty, ease of installation, and simplicity in operation—this last especially because of the comparative lightness of PYRONO doors.

Installed just as millwork is installed, PYRONO *does not warp and twist under extreme temperature and fire.*

• PYRONO • FIREPROOF • SMOKEPROOF • STAIR • HALL • SCREEN •



•• DESIGN • N^o 1 ••



SPECIFICATION:-

JAMBS:- $1\frac{1}{8} \times 5\frac{1}{2}$ " WITH STOPS

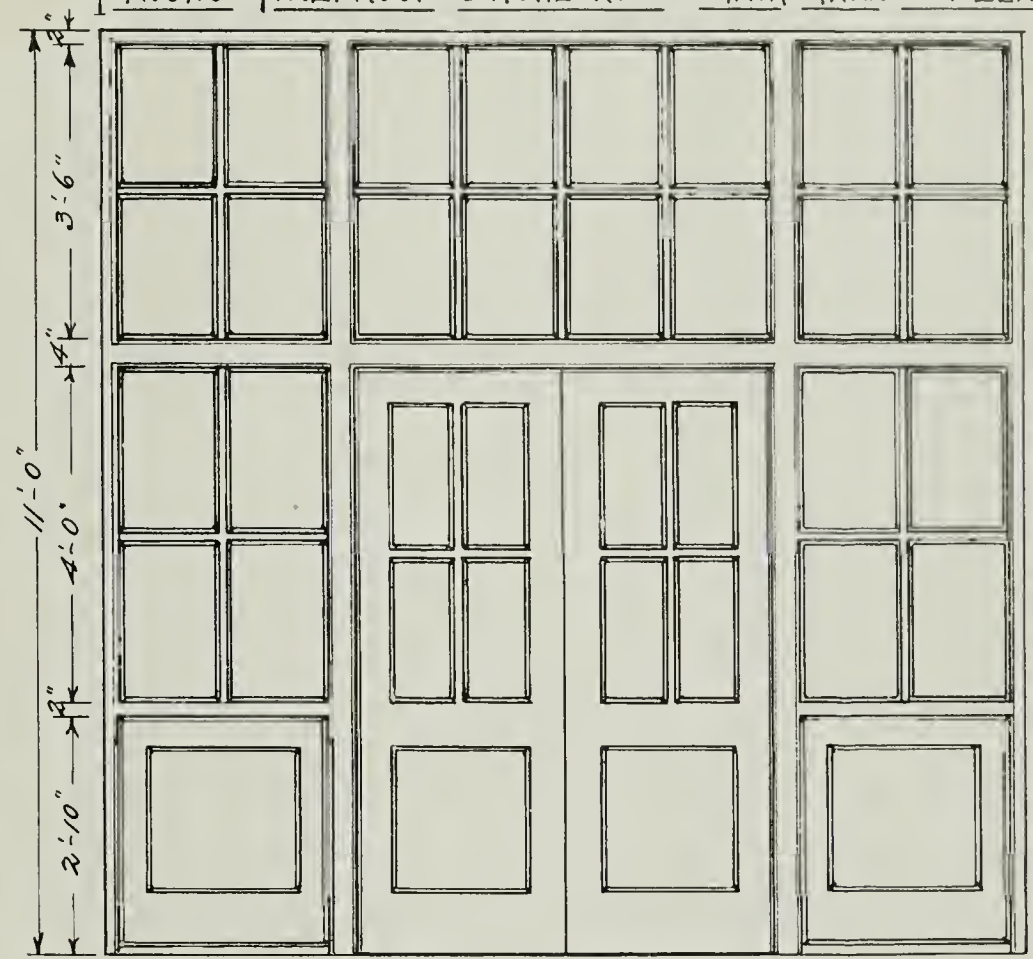
DOORS:- FLUSH 1 LT. OPEN EA. - ASTRAGAL MOULD

SIDE LIGHT PANELS:- FLUSH

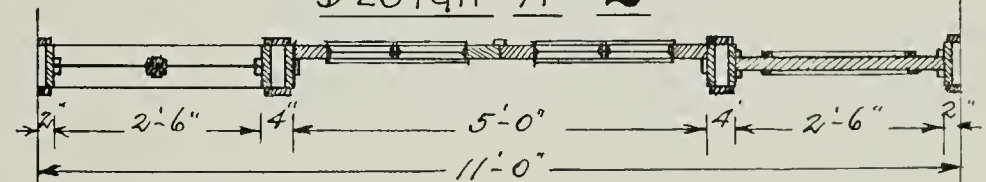
TRIM:- PLAIN.

(FRAMES ASSEMBLED IN SECTIONS - TRIM SENT K.D.)

• PYRONO • FIREPROOF • SMOKEPROOF • STAIR • HALL • SCREEN •



•• DESIGN • N^o 2 ••



SPECIFICATION:-

JAMBS:- $1\frac{1}{8} \times 5\frac{1}{2}$ " WITH STOPS - 24 DIVIDED LIGHT OPENINGS.

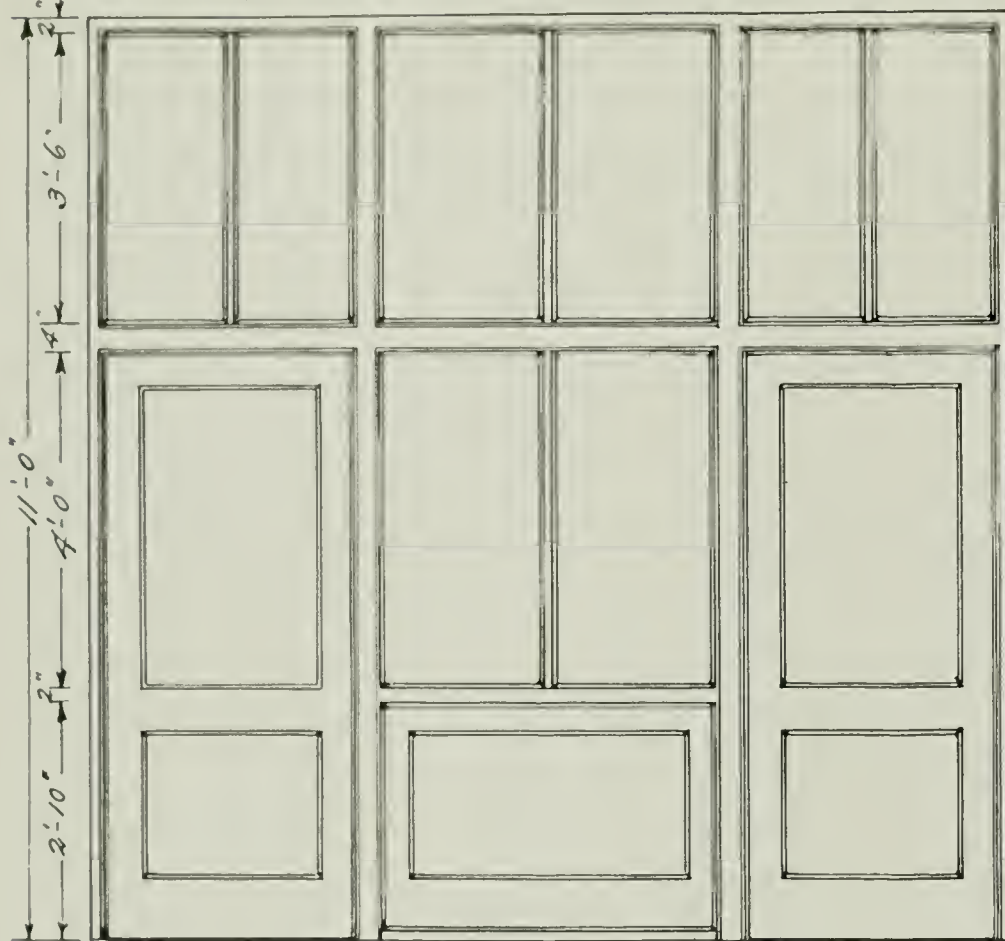
DOORS:- FLUSH 4 LT. OPEN & 1 PANEL EFFECT EA. - ASTRAGAL MOULD

SIDE LIGHT PANELS:- FLUSH 1 PANEL EFFECT

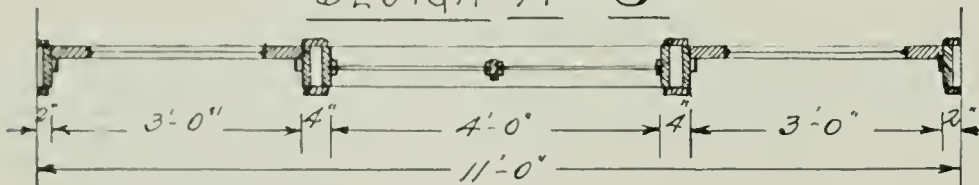
TRIM:- PLAIN

(FRAMES ASSEMBLED IN SECTIONS - TRIM SENT K.D.)

PYRONO FIREPROOF SMOKEPROOF STAIR HALL SCREEN

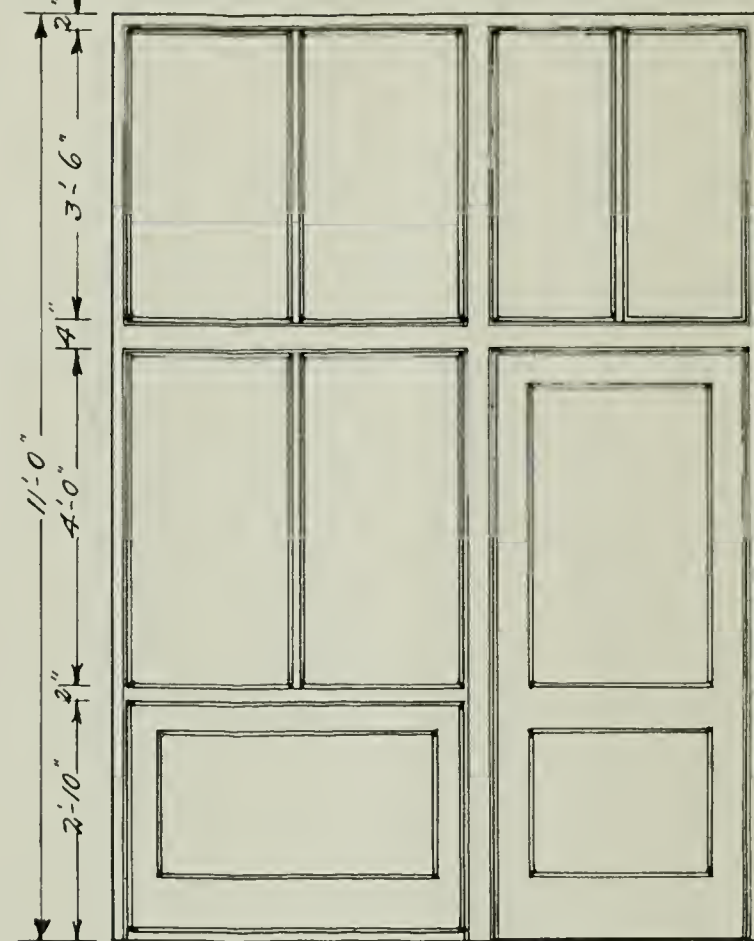


DESIGN No 3

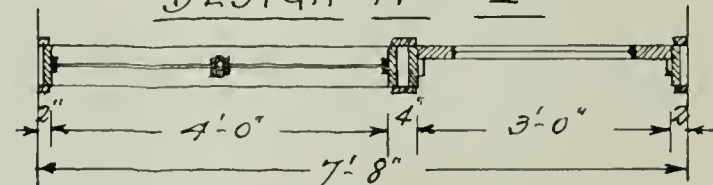


SPECIFICATION:-
JAMBS:- $1\frac{1}{8} \times 5\frac{1}{2}$ " WITH STOPS - 8 DIVIDED LIGHT OPENINGS
DOORS:- FLUSH 1 LT. OPEN & 1 PANEL EFFECT EACH
CENTER LIGHT PANEL:- FLUSH 1 PANEL EFFECT.
TRIM:- PLAIN
 (FRAMES ASSEMBLED IN SECTIONS - TRIM SENT K.D.)

PYRONO FIREPROOF SMOKEPROOF STAIR HALL SCREEN

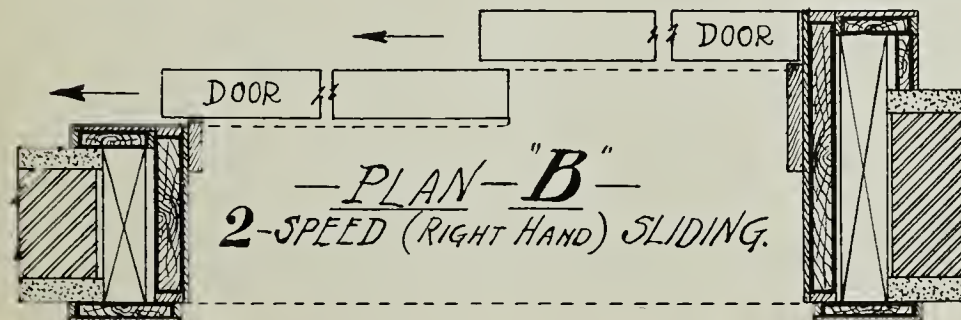
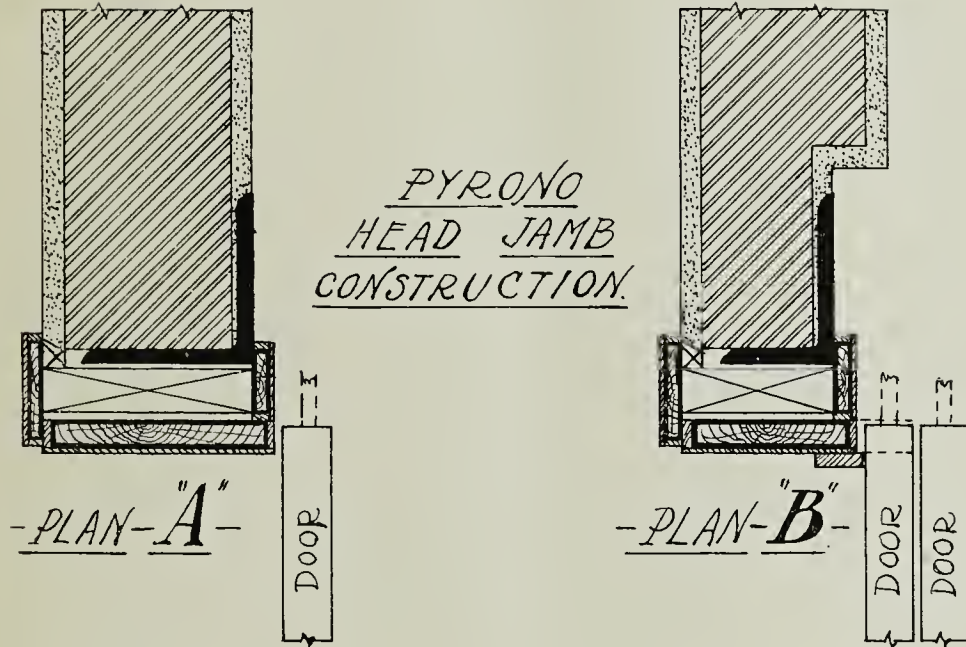
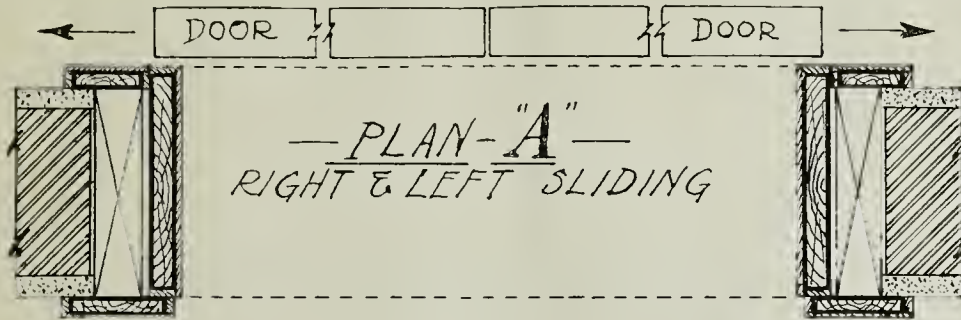


DESIGN No 4

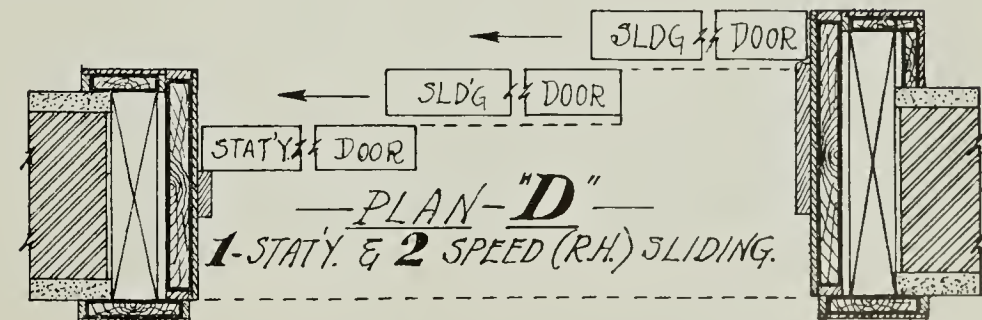
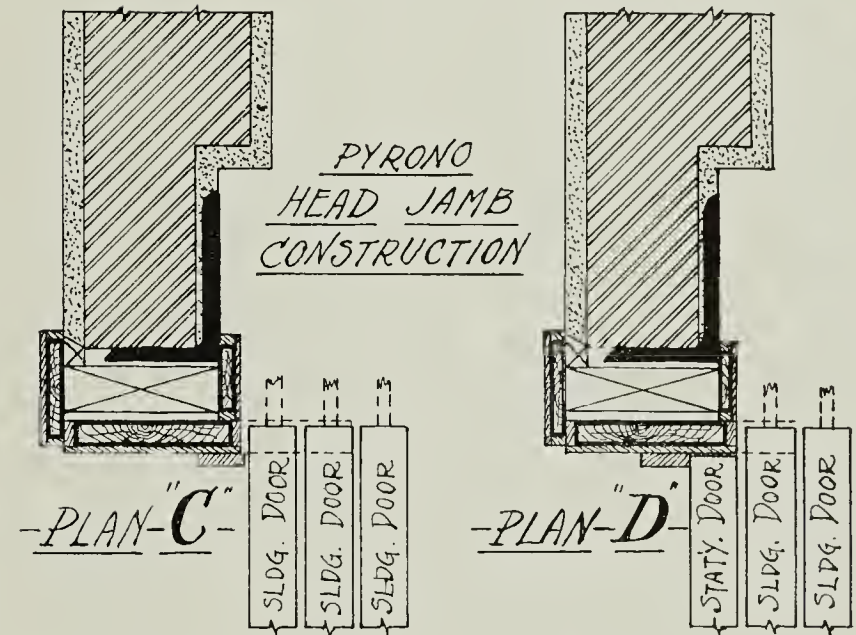
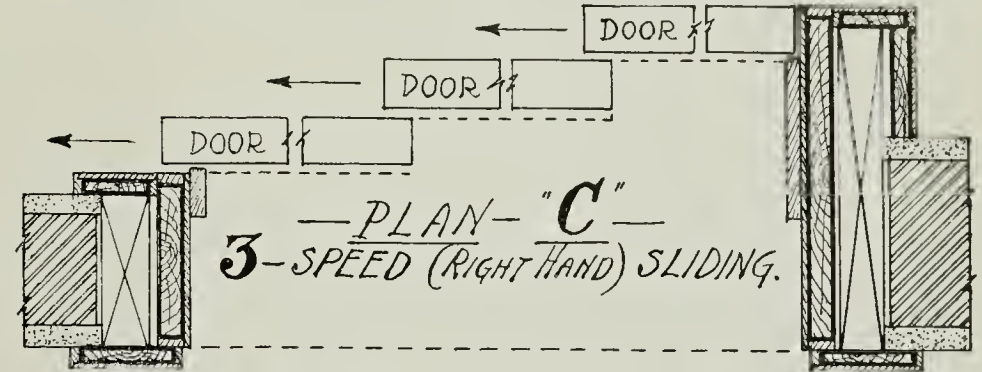


SPECIFICATION:-
JAMBS:- $1\frac{1}{8} \times 5\frac{1}{2}$ " WITH STOPS - 6 DIVIDED LIGHT OPENINGS
DOORS:- FLUSH 1 LT. OPEN & 1 PANEL EFFECT.
SIDE LIGHT PANEL:- FLUSH - 1 PANEL EFFECT.
TRIM:- PLAIN
 (FRAMES ASSEMBLED IN SECTIONS - TRIM SENT K.D.)

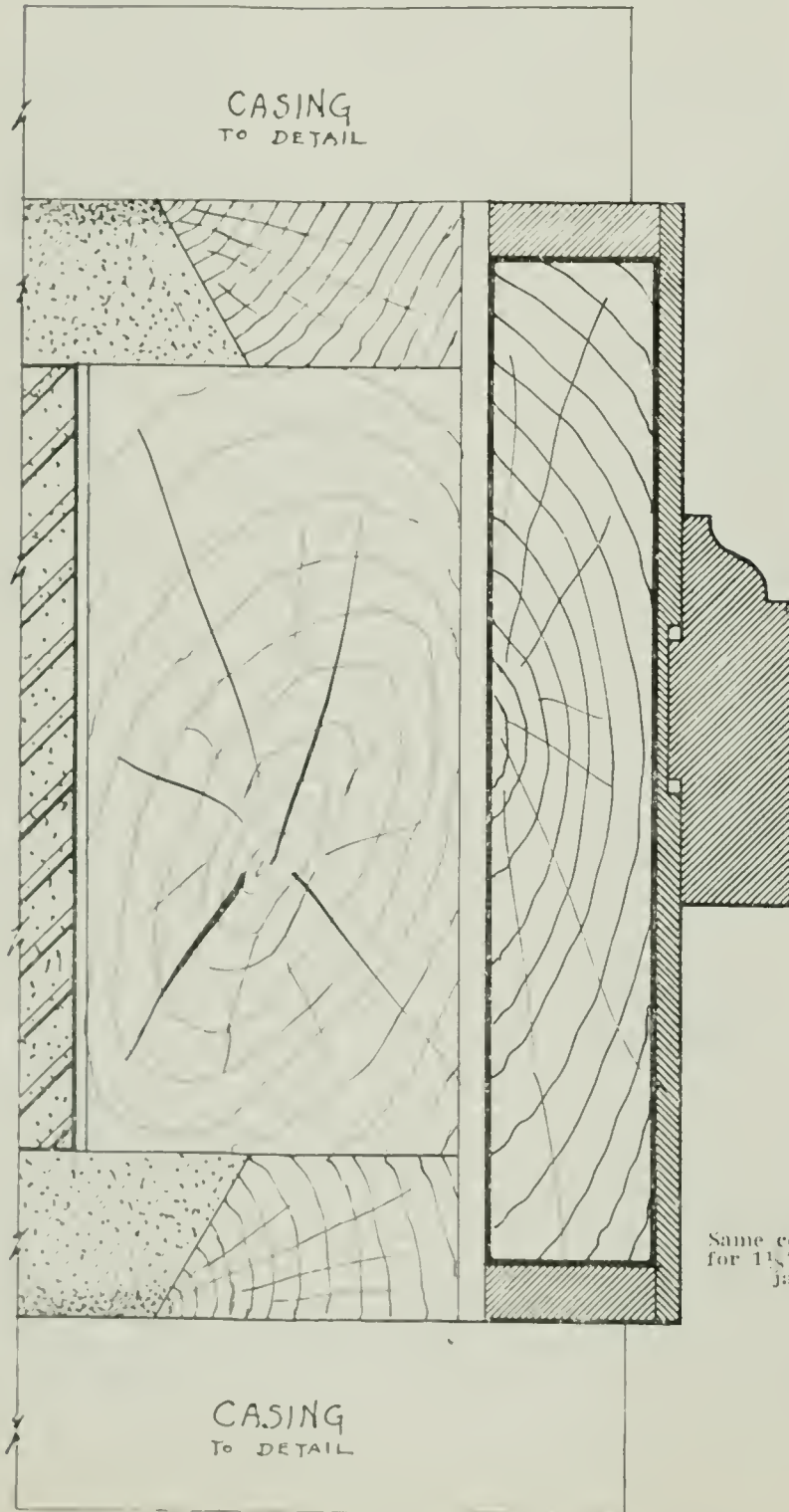
PYRONO - FIREPROOF - ELEVATOR - FRAMES & TRIM -



PYRONO - FIREPROOF - ELEVATOR - FRAMES & TRIM -

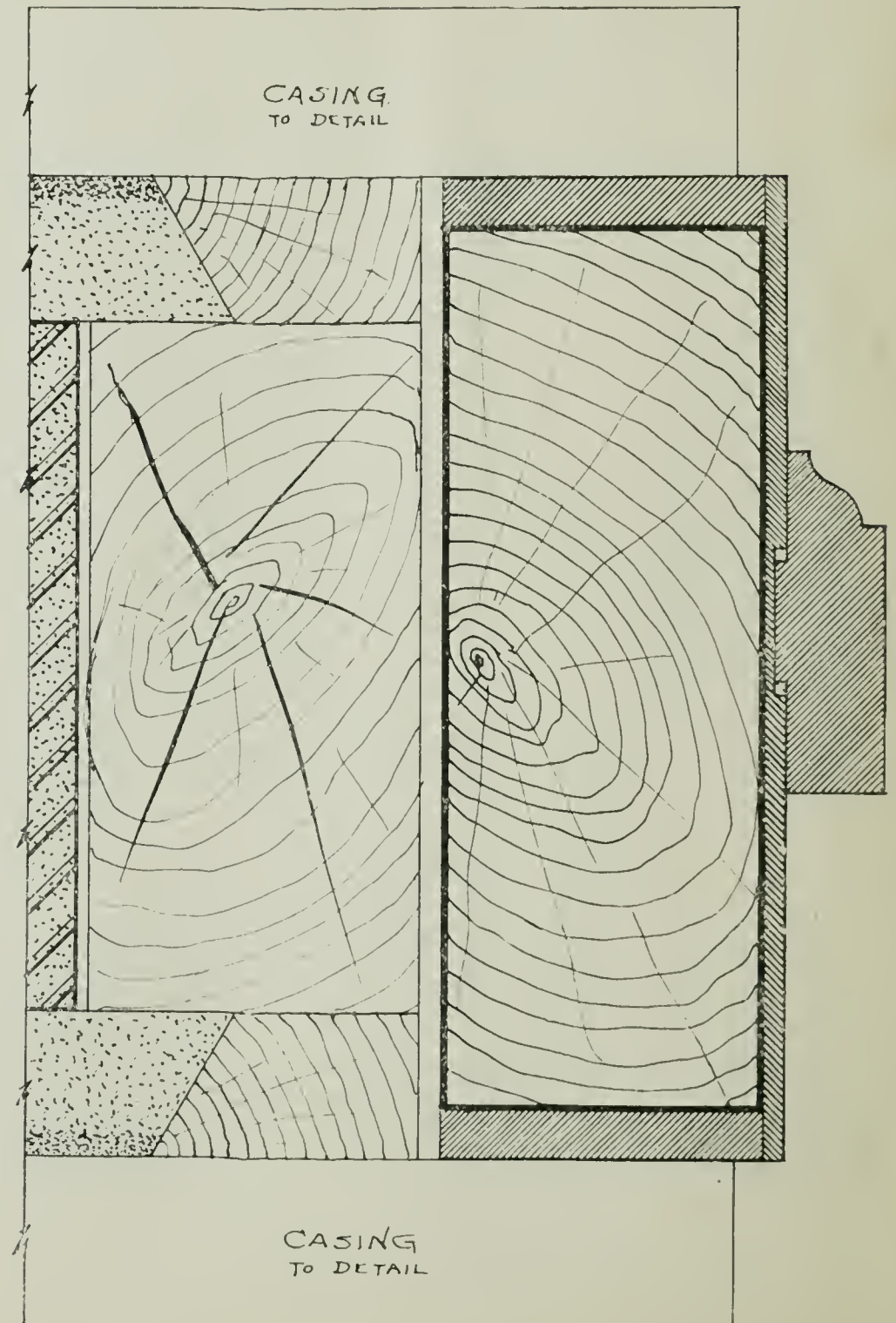


^^ PYRONG ^ JAMB ^^ $\frac{7}{8}$ " THICK ^^ WITH ^ STOP ^^

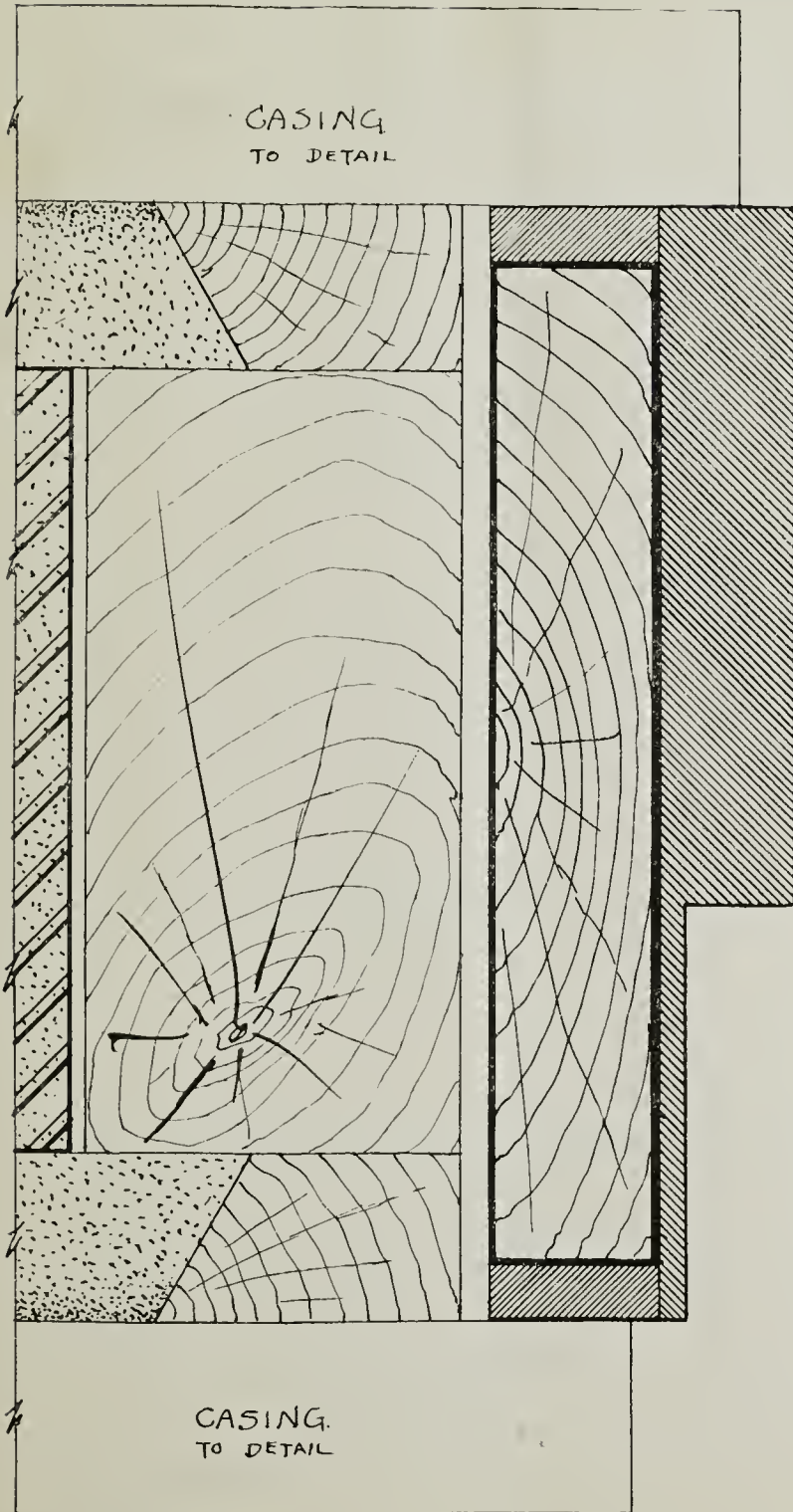


Same construction
for $1\frac{1}{8}$ " and $1\frac{3}{8}$ "
jambs.

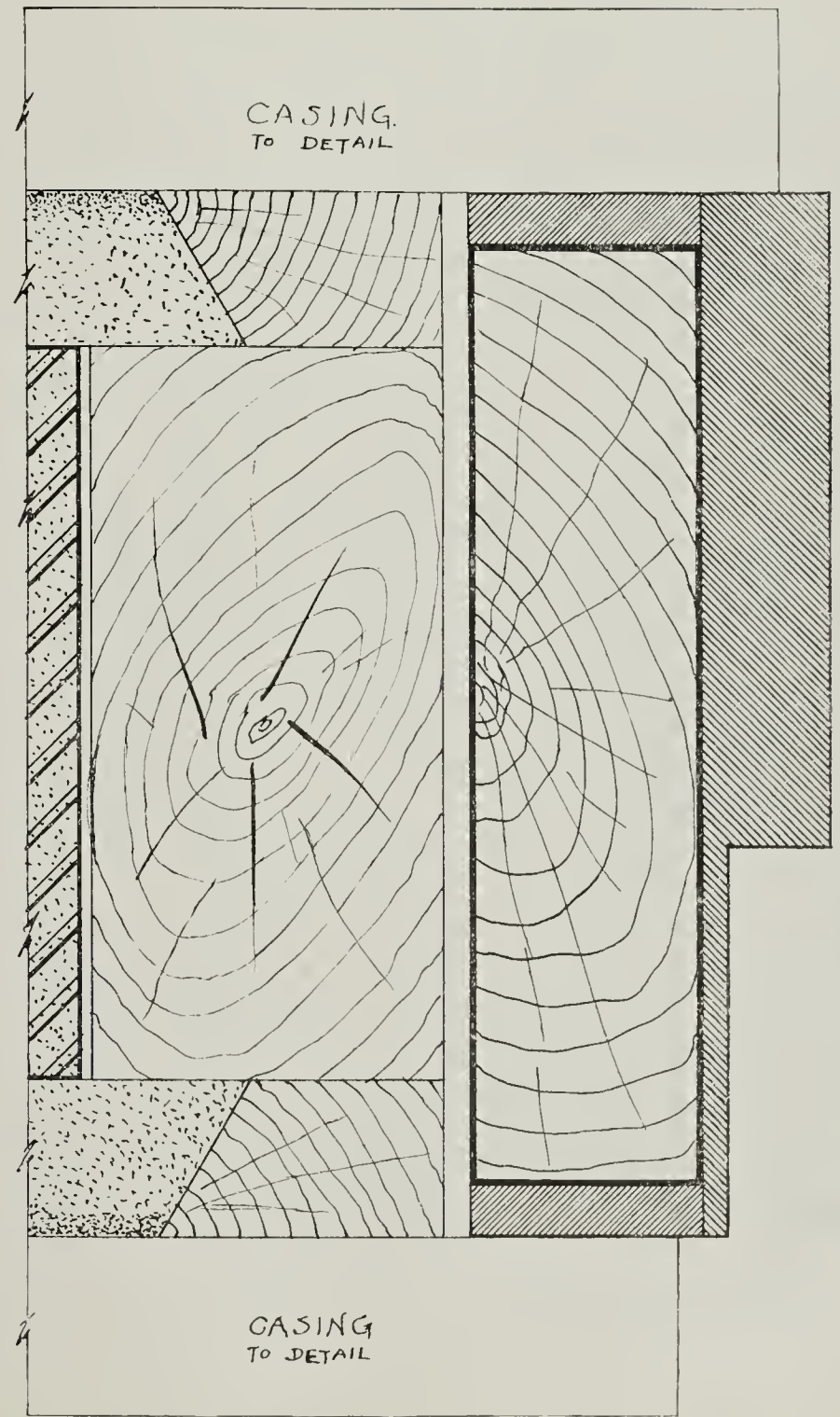
^^ PYRONO ^ JAMB ^^ $1\frac{3}{4}$ " THICK ^ WITH ^ STOP ^^



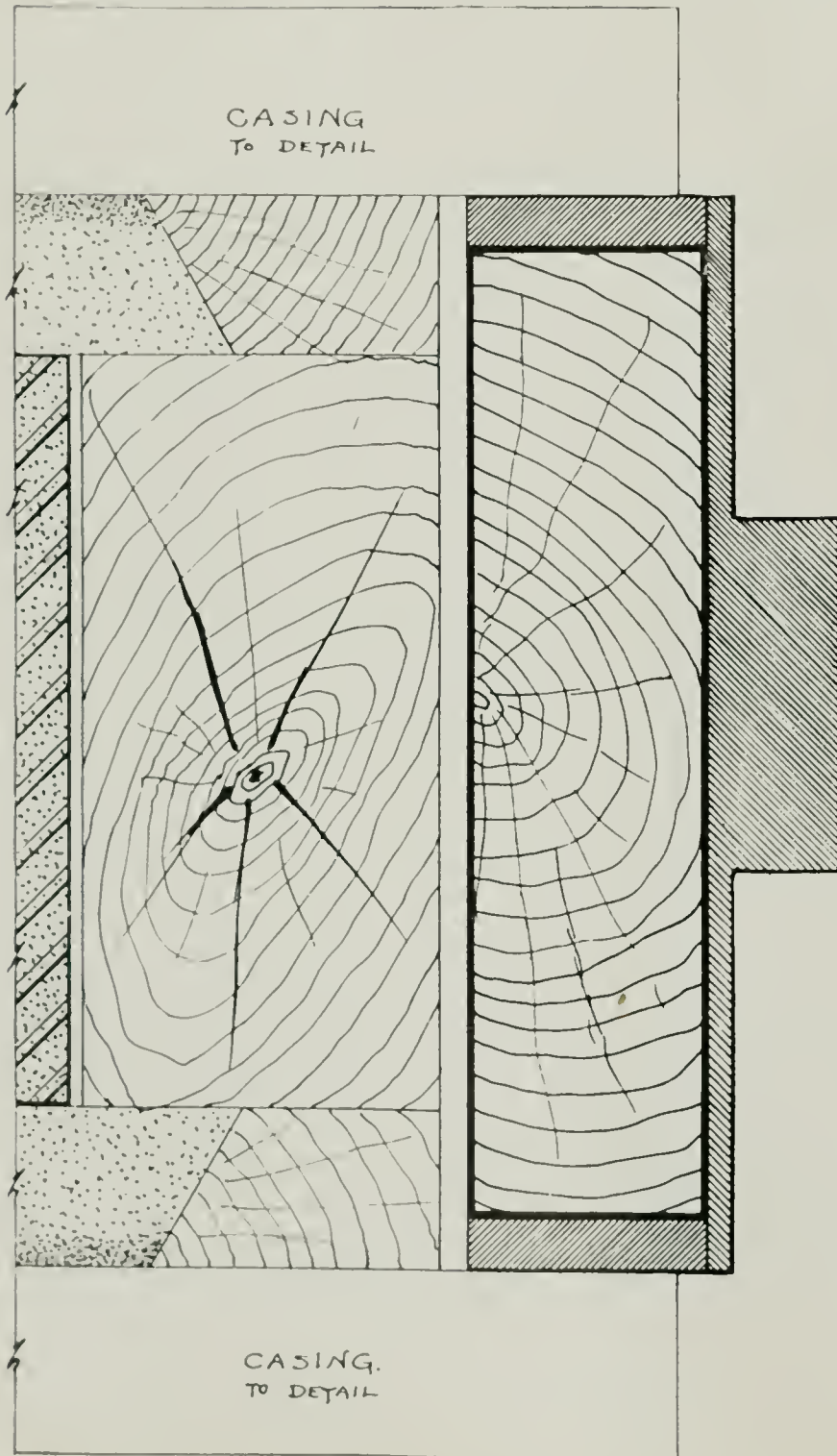
◁◁ PYRONO ◊ JAMB ▷▷ $1\frac{3}{8}$ " THICK ▷▷ RABBETED ▷▷



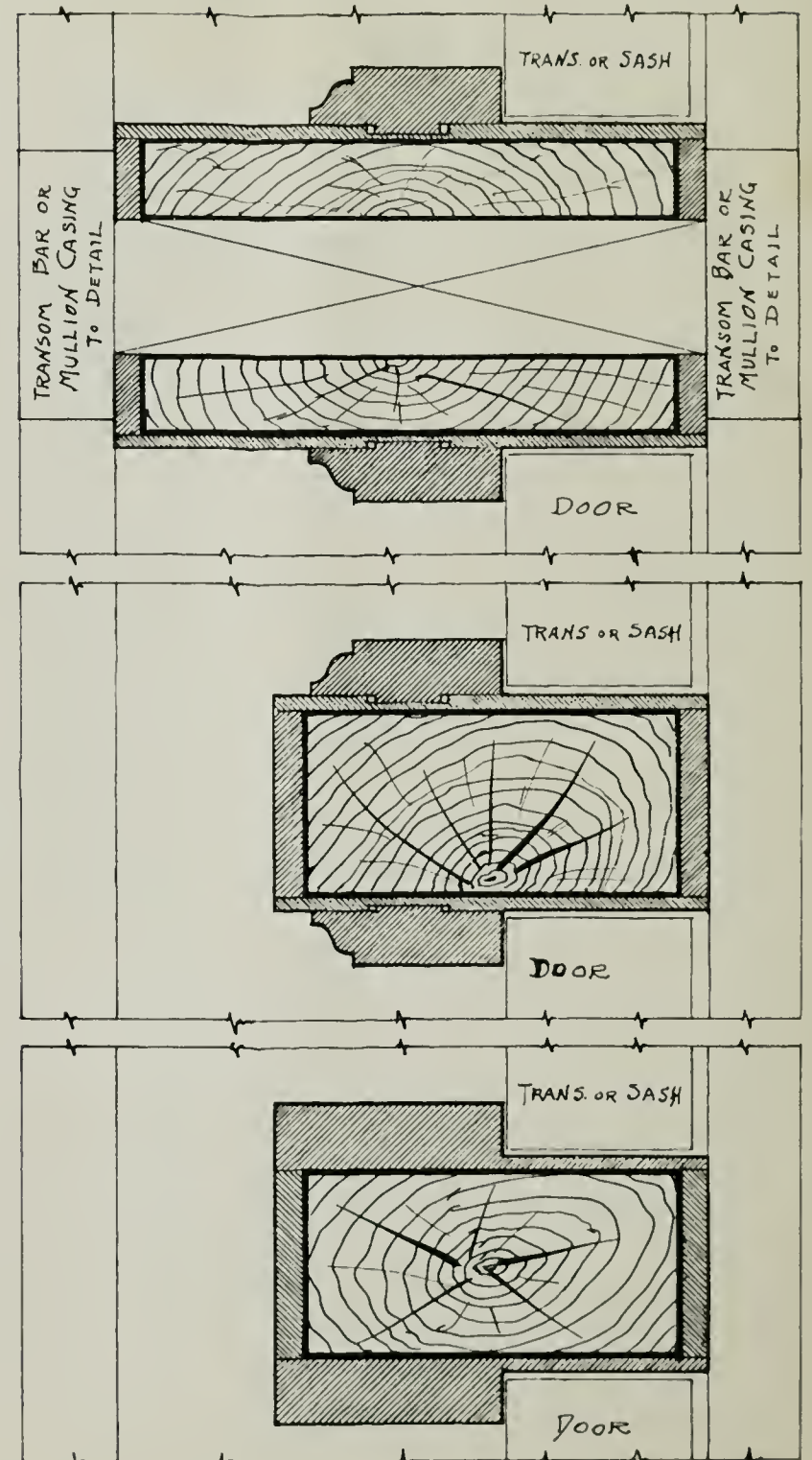
◁◁ PYRONO ◊ JAMB ▷▷ $1\frac{3}{4}$ " THICK ▷▷ RABBETED ▷▷



“PYRONO JAMB” $1\frac{3}{4}$ " THICK DOUBLE RABBETED

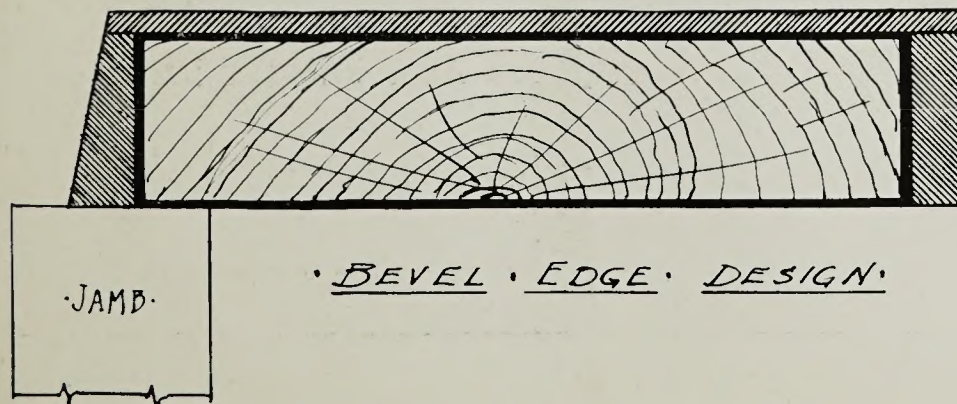
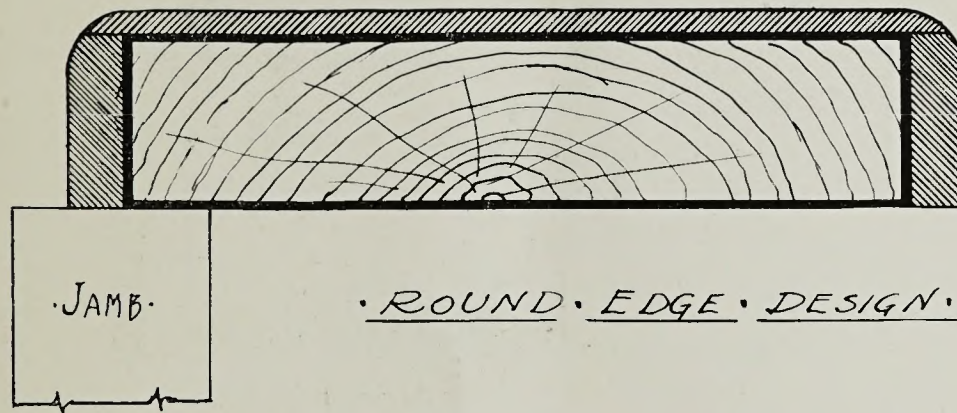
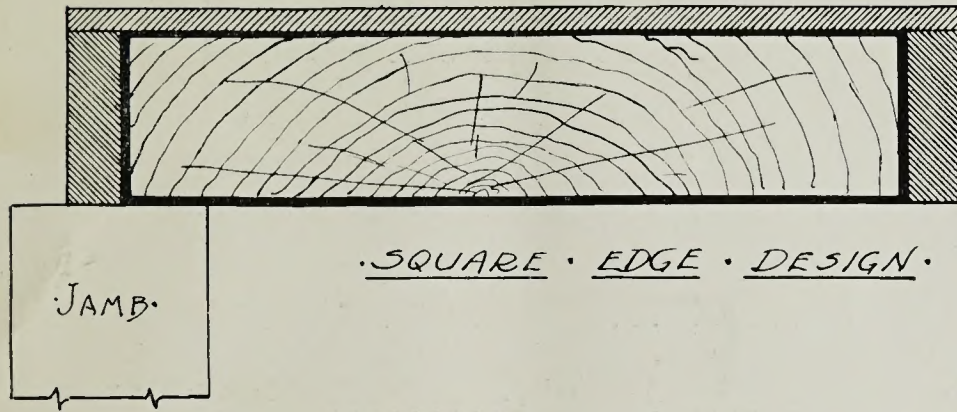


“PYRONO TRANSOM BARS OR MULLIONS”



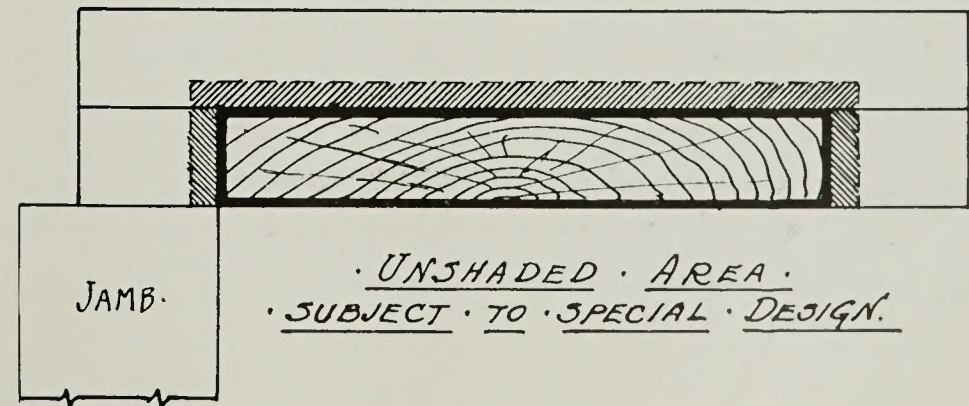
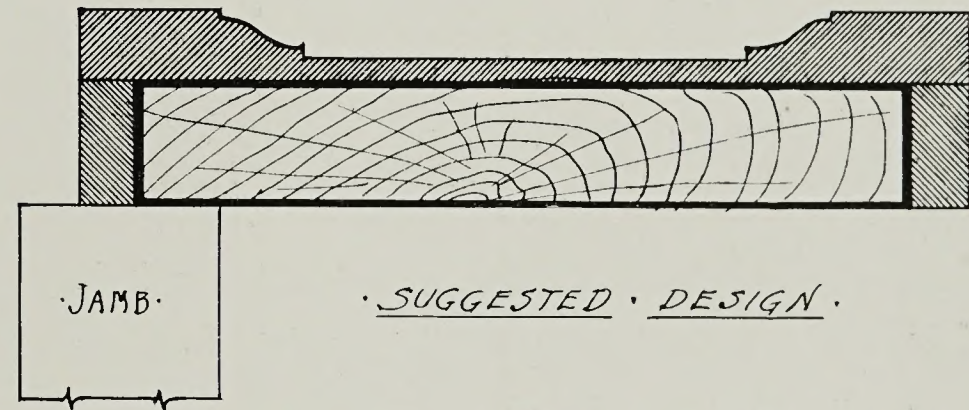
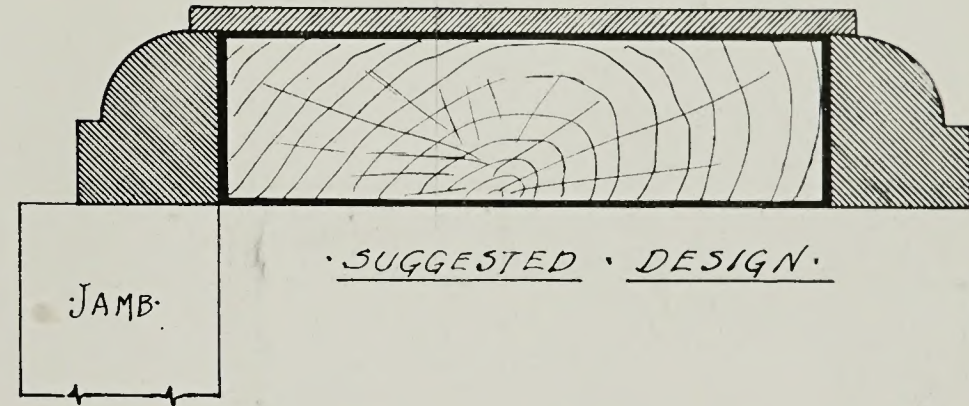
^^ PYRONO ^ PLAIN ^ CASING ^^

· WIDTHS · AS · REQUIRED ·



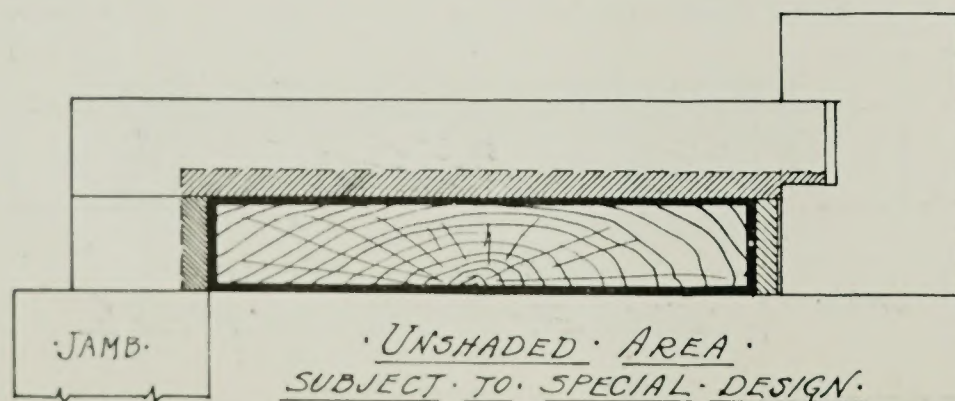
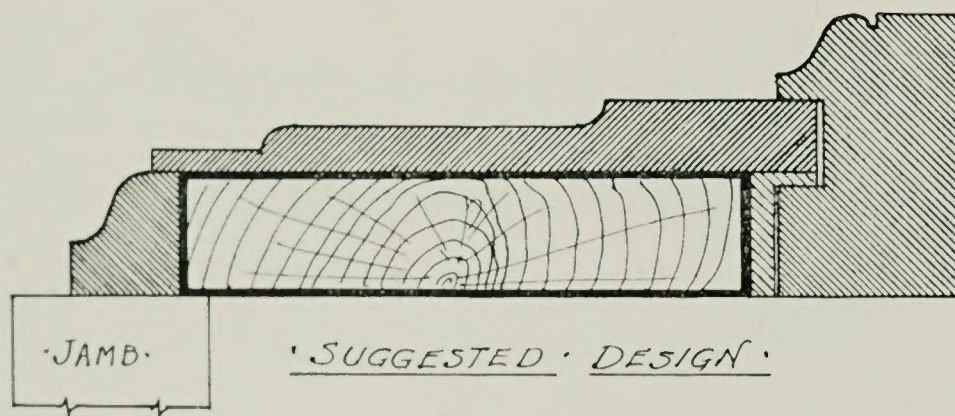
^^ PYRONO ^ MOULDED ^ CASING ^^

· WIDTHS · AS · REQUIRED ·



·JAMB·

·SUGGESTED· DESIGN·



Hanna Building Cleveland, Ohio
Metropolitan Life Ins. Co. Annex
..... New York City
Federal Reserve Bank Building
..... Chicago
Cunard Building New York City
Drake Hotel Chicago
Wichita Falls Hotel
..... ~~Indianapolis, Ind.~~ **Wichita Falls, Tex.**
Masonic Memorial Hospital
..... ~~Wichita Falls, Tex.~~ **Utica, N.Y.**
Municipal Hospital ~~Utica, N.Y.~~ **Youngstown, Ohio**
Majestic Theatre Dallas, Tex.
Indiana Theatre . . . Terre Haute, Ind.
220 and 232 E. Walton Place Apts.
..... Chicago
W. G. Zoller Apt. Building . . . Chicago
Muskingum College Dormitory
..... New Concord, Ohio
State Road and Columbus St. Schools
..... Ashtabula, Ohio

